

=> s l1 and 313/110,111,112,117/ccls

343 313/111/CCLS

298 313/111/CCLS

735 313/112/CCLS

313 313/117/CCLS

1472 313/110,111,112,117/CCLS

((313/110 OR 313/111 OR 313/112 OR 313/117)/CCLS)

L3 0 L1 AND 313/110,111,112,117/CCLS

=> d history

(FILE 'USPAT' ENTERED AT 14:57:13 ON 06 OCT 1997)

L1 1739 S PHOTOCROMIC?

L2 30 S L1 AND 313/CLAS

L3 0 S L1 AND 313/110,111,112,117/CCLS

08/519,200

=> s photochromic?

L1 1739 PHOTOCHROMIC?

=> s l1 and 313/clas

44190 313/CLAS

L2 30 L1 AND 313/CLAS

=> d/12 1-30

1. 5,192,631, Mar. 9, 1993, Variable electroconductivity material; Eiichi Inoue, et al., 430/56; 252/518, 520; **313/523**; 338/14, 15; 347/153; 365/108, 112; 428/913; 430/945 :IMAGE AVAILABLE:

2. 4,961,025, Oct. 2, 1990, Cathode for image intensifier tube having reduced veiling glare; Nils I. Thomas, et al., **313/524**; 65/32.1; **313/371** :IMAGE AVAILABLE:

3. 4,929,865, May 29, 1990, Eye comfort panel; Jerome V. Blum, **313/478**; 348/832; 359/361, 601 :IMAGE AVAILABLE:

4. 4,695,717, Sep. 22, 1987, Semi-conductor device and electronic apparatus using the same; Yutaka Hirai, et al., 250/214LA; **313/386** :IMAGE AVAILABLE:

5. 4,177,400, Dec. 4, 1979, Projection cathode ray tube having target angularly and longitudinally adjustable to tube axis; George R. Hergenrother, et al., **313/477R**, **478**; 348/784 :IMAGE AVAILABLE:

6. 4,069,440, Jan. 17, 1978, Recording material; Takeshi Takeda, et al., **313/465**; 252/583 :IMAGE AVAILABLE:

7. 4,019,809, Apr. 26, 1977, Electrochromic display device; Tsutomu Otake, et al., 359/267; **313/483**, **525**; 359/275 :IMAGE AVAILABLE:

8. 3,982,151, Sep. 21, 1976, Optical information storage system; Bruno F. Ludovici, et al., **313/465**; 348/804, 902; 359/242 :IMAGE AVAILABLE:

9. 3,936,816, Feb. 3, 1976, Flat display system; Yuich Murata, 345/50; 40/573; **313/505**, **521**; 349/142, 146 :IMAGE AVAILABLE:

10. 3,931,042, Jan. 6, 1976, Cathodochromic sodalite; Roelof Egbert Schuil, 252/586, 301.4F; **313/465** :IMAGE AVAILABLE:

11. 3,911,315, Oct. 7, 1975, Cathode ray tube whose image screen is both cathodochromic and fluorescent and the material for the screen; Lee T. Todd, Jr., et al., **313/391**; 252/301.4R; **313/397**, **398**; 315/13.11 :IMAGE AVAILABLE:

12. 3,875,447, Apr. 1, 1975, High writing speed dark-trace tube with flood beam enhancement; Benjamin Kazan, **313/465**; 348/805 :IMAGE AVAILABLE:

13. 3,836,809, Sep. 17, 1974, FIBER OPTIC PLATE WITH DENSE OPAL GLASS CLADDING; Edward U. Condon, **313/465**, **475**; 385/120 :IMAGE AVAILABLE:

14. 3,797,910, Mar. 19, 1974, FIBER OPTIC DEVICE HAVING SOME FIBERS CLAD WITH ABSORBING GLASSES; Ralph A. Westwig, 385/120; 65/30.11; **313/475** :IMAGE AVAILABLE:

15. 3,774,173, Nov. 1973, **PHOTOCHROMIC** FIBER OPTIC LATE; Roy E. Love, et al., 365/119; **313/465**; 315/8.51; 365/118; 385/120 :IMAGE AVAILABLE:

16. 3,773,540, Nov. 20, 1973, CATHODOCHROMIC IMAGE SCREEN AND METHOD FOR PREPARING CATHODOCHROMIC SODALITE FOR SAID IMAGE SCREEN; Igal Shidlovsky, 428/148; 252/301.4F, 583; **313/467**; 428/330, 432 :IMAGE AVAILABLE:

17. 3,766,428, Oct. 16, 1973, HIGH RESOLUTION, HIGH INTENSITY CATHODE RAY TUBE; Jon W. Ogland, 315/382; 250/428; **313/463**; 315/30 :IMAGE AVAILABLE:

18. 3,761,159, Sep. 25, 1973, OPTICAL MEMORY FOR COHERENT OPTICAL SYSTEMS; Dieter Roess, et al., 365/119; **313/7**; 359/278; 365/127 :IMAGE AVAILABLE:

19. 3,744,877, Jul. 10, 1973, DARK TRACE DISPLAY DEVICE EMPLOYING UV PHOSPHOR PLUS **PHOTOCHROMIC** RESIN INSIDE THE DISPLAY SCREEN WHICH GENERATES COLOR BY MEANS OF TRIPLET-TO-TRIPLET ABSORPTION; Robert Franz Stamm, 359/242; 252/301.35; **313/465**; 568/335 :IMAGE AVAILABLE:

20. 3,737,700, Jun. 5, 1973, CATHODE RAY STORAGE TUBE HAVING TARGET WITH **PHOTOCHROMIC** MEMORY DEVICE; David Ronald Steinberg, **313/388**, **393**, **394**; 315/8.61, 13.11; 348/902; 359/241 :IMAGE AVAILABLE:

21. 3,733,512, May 15, 1973, HOLOGRAM REPRODUCTION SYSTEM USING AN OPTICAL GRATING; Albert Macovski, 315/386; **313/429**; 315/382; 348/40; 359/9 :IMAGE AVAILABLE:

22. 3,732,451, May 8, 1973, STEPPED SUPPORTS BETWEEN GLASS PLATE DISPLAY SCREEN AND CATHODE RAY TUBE FACEPLATE; David R. Steinberg, et al., **313/465**, **476** :IMAGE AVAILABLE:

23. 3,727,087, Apr. 10, 1973, MEANS FOR SECURING PLANAR MEMBER TO CATHODE RAY TUBE FACEPLATE; David R. Steinberg, et al., **313/466**, **286**, **475**, **476** :IMAGE AVAILABLE:

24. 3,705,323, Dec. 5, 1972, CATHODOCHROMIC SODALITE AND CATHODE RAY TUBE EMPLOYING SAME; Igal Shidlovsky, **313/465**; 252/301.4F, 583 :IMAGE AVAILABLE:

25. 3,703,660, Nov. 21, 1972, **PHOTOCHROMIC** FIBER OPTIC IMAGE STORAGE DEVICE; Norman F. Fyler, **313/475**; 65/408; 348/804, 902; 385/120; 501/13, 37 :IMAGE AVAILABLE:

26. 3,700,791, Oct. 24, 1972, CHARACTER GENERATOR UTILIZING A DISPLAY WITH **PHOTOCHROMIC** LAYER; Douglas Robert Bosomworth, 358/485; **313/465**; 345/25; 348/902; 359/242 :IMAGE AVAILABLE:

27. 3,683,358, Aug. 8, 1972, **PHOTOCHROMIC** STORAGE-DISPLAY SYSTEM WITH SELECTIVE ERASE UTILIZING GAS PLASMA PANEL; William Ernest Eichelberger, 345/5; **313/465**; 315/10; 345/10, 60; 359/242 :IMAGE AVAILABLE:

28. 3,662,204, May 9, 1972, LINE SCANNING CATHODE RAY TUBE HAVING SLOTTED STORAGE ELEMENT; Omer F. Hamann, **313/394** :IMAGE AVAILABLE:

29. 3,660,706, May 2, 1972, MEANS FOR SECURING PLANAR MEMBER TO CATHODE RAY TUBE FACEPLATE; David R. Steinberg, et al., **313/465**, **258**, **450**, **475**, **476**, **482** :IMAGE AVAILABLE:

30. 3,619,030, Nov. 9, 1971, FIBER OPTICS ELEMENT; Kaoru Tomii, et al., 385/119; 250/227.2; **313/475**; 355/1; 385/120 :IMAGE AVAILABLE:

08/519,200

=> d history

(FILE 'USPAT' ENTERED AT 14:57:13 ON 06 OCT 1997)

L1 1739 S PHOTOCROMIC?  
L2 30 S L1 AND 313/CLAS  
L3 0 S L1 AND 313/110,111,112,117/CCLS  
L4 104 S L1 (P) (BULB# OR ENVELOPE# OR TUBE#)  
L5 20 S L4 AND (313/CLAS OR 362/CLAS)

=> d 15 1-20

1. 5,228,767, Jul. 20, 1993, Headlight lens with external light sensitivity; Michael B. Johnson, **362/61, 276, 458** :IMAGE AVAILABLE: *(ans 20)*

2. 4,177,400, Dec. 4, 1979, Projection cathode ray tube having target angularly and longitudinally adjustable to tube axis; George R. Hergenrother, et al., **313/477R, 478; 348/784** :IMAGE AVAILABLE:

3. 4,069,440, Jan. 17, 1978, Recording material; Takeshi Takeda, et al., **313/465; 252/583** :IMAGE AVAILABLE:

4. 3,982,151, Sep. 21, 1976, Optical information storage system; Bruno F. Ludovici, et al., **313/465; 348/804, 902; 359/242** :IMAGE AVAILABLE:

5. 3,931,042, Jan. 6, 1976, Cathodochromic sodalite; Roelof Egbert Schuil, 252/586, 301.4F; **313/465** :IMAGE AVAILABLE:

6. 3,875,447, Apr. 1, 1975, High writing speed dark-trace tube with flood beam enhancement; Benjamin Kazan, **313/465; 348/805** :IMAGE AVAILABLE:

7. 3,836,809, Sep. 17, 1974, FIBER OPTIC PLATE WITH DENSE OPAL GLASS CLADDING; Edward U. Condon, **313/465, 475; 385/120** :IMAGE AVAILABLE:

8. 3,797,910, Mar. 19, 1974, FIBER OPTIC DEVICE HAVING SOME FIBERS CLAD WITH ABSORBING GLASSES; Ralph A. Westwig, 385/120; 65/30.11; **313/475** :IMAGE AVAILABLE:

9. 3,774,173, Nov. 20, 1973, PHOTOCROMIC FIBER OPTIC PLATE; Roy E. Love, et al., 365/119; **313/465; 315/8.51; 365/118; 385/120** :IMAGE AVAILABLE:

10. 3,773,540, Nov. 20, 1973, CATHODOCHROMIC IMAGE SCREEN AND METHOD FOR PREPARING CATHODOCHROMIC SODALITE FOR SAID IMAGE SCREEN; Igal Shidlovsky, 428/148; 252/301.4F, 583; **313/467; 428/330, 432** :IMAGE AVAILABLE:

11. 3,766,428, Oct. 16, 1973, HIGH RESOLUTION, HIGH INTENSITY CATHODE RAY TUBE; Jon W. Ogland, 315/382; 250/428; **313/463; 315/30** :IMAGE AVAILABLE:

12. 3,744,877, Jul. 10, 1973, DARK TRACE DISPLAY DEVICE EMPLOYING UV PHOSPHOR PLUS PHOTOCROMIC RESIN INSIDE THE DISPLAY SCREEN WHICH GENERATES COLOR BY MEANS OF TRIPLET-TO-TRIPLET ABSORPTION; Robert Franz Stamm, 359/242; 252/301.35; **313/465; 568/335** :IMAGE AVAILABLE:

13. 3,737,700, Jun. 5, 1973, CATHODE RAY STORAGE TUBE HAVING TARGET WITH PHOTOCROMIC MEMORY DEVICE; David Ronald Steinberg, **313/388,**

393, 394; 315/8.61, 12/11; 348/902; 359/241 :IMAGE AVAILABLE:

14. 3,732,451, May 8, 1973, STEPPED SUPPORTS BETWEEN GLASS PLATE DISPLAY SCREEN AND CATHODE RAY TUBE FACEPLATE; David R. Steinberg, et al.,

313/465, 476 :IMAGE AVAILABLE: *target 22*

15. 3,727,087, Apr. 10, 1973, MEANS FOR SECURING PLANAR MEMBER TO CATHODE RAY TUBE FACEPLATE; David R. Steinberg, et al., 313/466,

286, 475, 476 :IMAGE AVAILABLE: *target 22*

16. 3,705,323, Dec. 5, 1972, CATHODOCHROMIC SODALITE AND CATHODE RAY TUBE EMPLOYING SAME; Igal Shidlovsky, 313/465; 252/301.4F, 583 :IMAGE AVAILABLE:

17. 3,703,660, Nov. 21, 1972, PHOTOCHROMIC FIBER OPTIC IMAGE STORAGE DEVICE; Norman F. Fyler, 313/475; 65/408; 348/804, 902; 385/120;

501/13, 37 :IMAGE AVAILABLE: *a lot of text*

18. 3,700,791, Oct. 24, 1972, CHARACTER GENERATOR UTILIZING A DISPLAY WITH PHOTOCHROMIC LAYER; Douglas Robert Bosomworth, 358/485; 313/465;

345/25; 348/902; 359/242 :IMAGE AVAILABLE: *layer 3*

19. 3,683,358, Aug. 8, 1972, PHOTOCHROMIC STORAGE-DISPLAY SYSTEM WITH SELECTIVE ERASE UTILIZING GAS PLASMA PANEL; William Ernest Eichelberger,

345/5; 313/465; 315/10; 345/10, 60; 359/242 :IMAGE AVAILABLE: *photochrome number 11*

20. 3,660,706, May 2, 1972, MEANS FOR SECURING PLANAR MEMBER TO CATHODE RAY TUBE FACEPLATE; David R. Steinberg, et al., 313/465, 258,

450, 475, 476, 482 :IMAGE AVAILABLE: